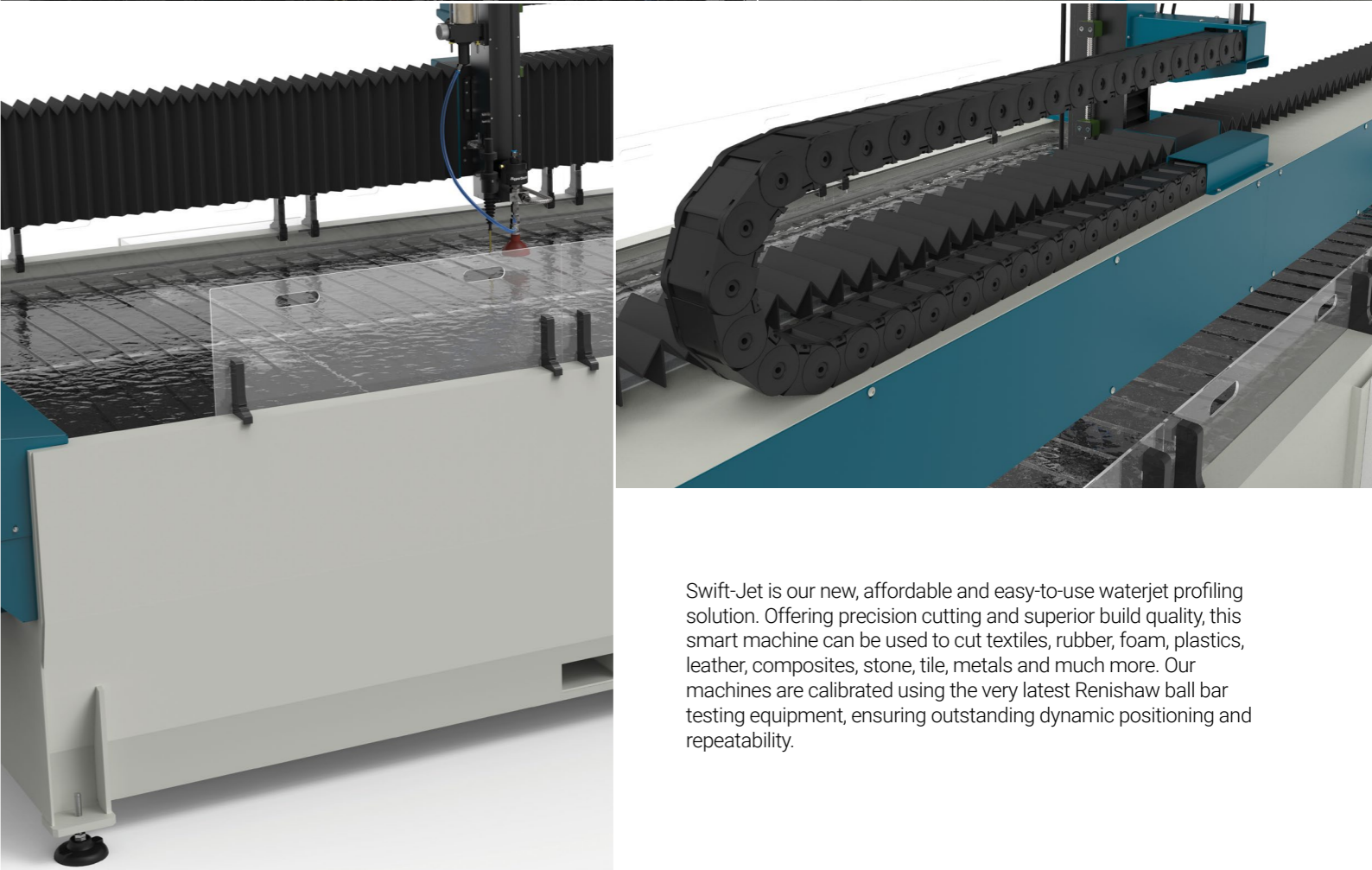
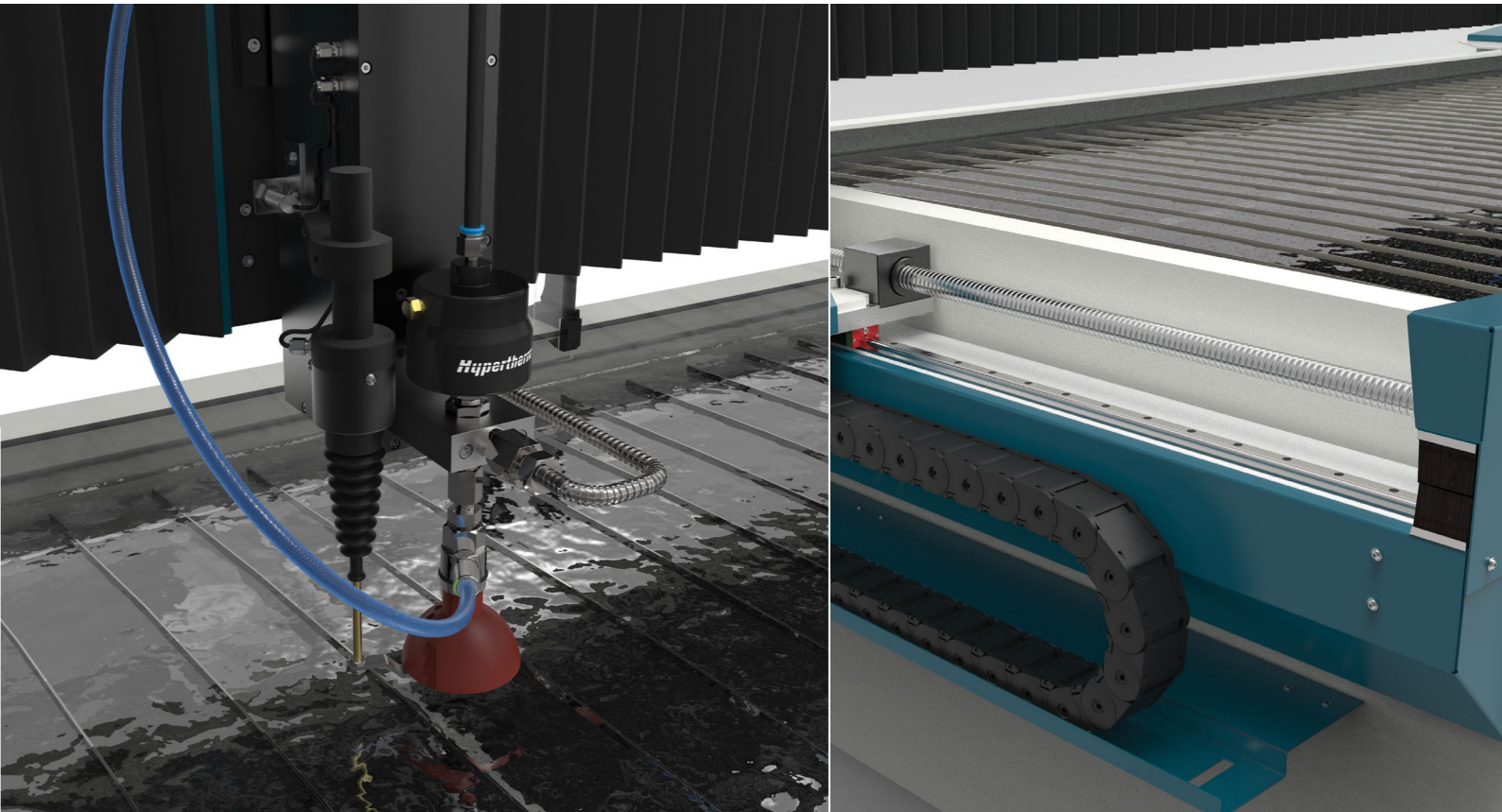
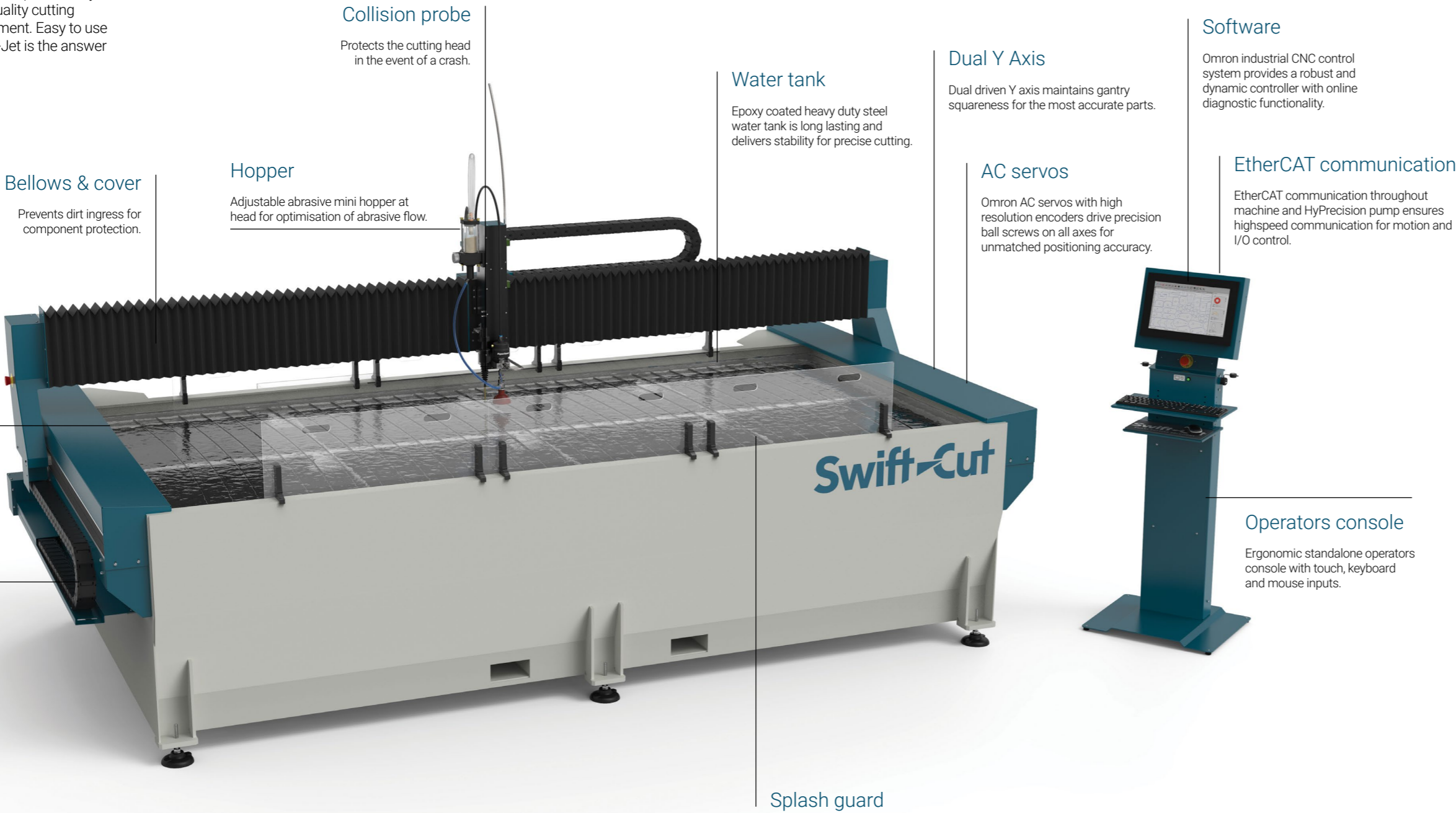


# The Swift-Jet Range

Thanks to Swift-Cut, it's never been more affordable or achievable to own a water-jet cutting system. Waterjet technology produces excellent fine-feature cut quality with low edge taper, no heat-affected zone, a narrow kerf, and dross-free cutting.

It also offers the ability to process nearly any material and a thickness range capability unmatched by other cutting technologies.

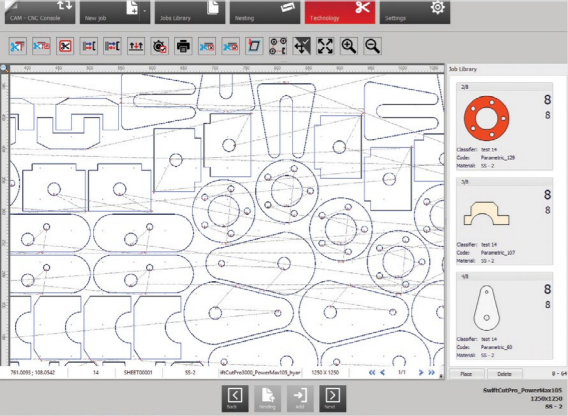
The Swift-Jet machine with its easy to use software, powered by Hypertherm HyPrecision pumps provides high quality cutting on a wide range of materials at a low-cost investment. Easy to use with exceptional aftercare and support, the Swift-Jet is the answer to affordable, high precision in-house cutting.



Swift-Jet is our new, affordable and easy-to-use waterjet profiling solution. Offering precision cutting and superior build quality, this smart machine can be used to cut textiles, rubber, foam, plastics, leather, composites, stone, tile, metals and much more. Our machines are calibrated using the very latest Renishaw ball bar testing equipment, ensuring outstanding dynamic positioning and repeatability.

# SwiftCAM

Swift-Cut's easy to use software guarantees that anyone with a basic knowledge of computers will be capable of operating the Swift-Jet cutting system. Minimal training means the table will be operational almost immediately, maximising output from the start.



- Automatic nesting**  
Automatically nests parts for economical sheet usage.
- Automatic lead in/out**  
Software automatically applies lead ins/out for quicker programming.
- Micro joints**  
Tabs to prevent parts moving whilst cutting.
- Bridges**  
Continuous cutting between parts to reduce cycle times.
- Common-line cut**  
Cut along shared edges of parts.
- Sheet Alignment**  
Align the cutting path with misaligned sheets on the cutting bed.
- Reference points**  
User configurable reference points for jig fixtures.

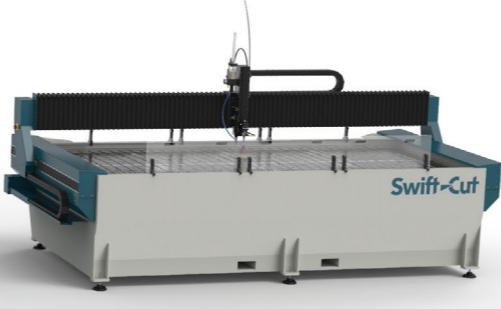
- Cut Quality**  
5 cut quality modes from fine to rough.
- Parametric shape library**  
Over 80 configurable shapes.
- Part in part nesting**  
Nest parts in scrap areas to fully utilise the sheet.
- Customisable cutting rules**  
Optimise cutting parameters for best cutting performance.

- Toolsets**  
Pre-programmed toolsets for common materials.
- Customisable toolsets**  
Modify or create toolsets for new materials.
- Job reports**  
Export job reports displaying scrap percentage and cutting times.
- 3D Cut Simulation**  
Play a 3D machine simulation of the cutting operation.
- 3D part preview**  
Preview the part in 3D before cutting.

# Available in 2 sizes



**SJ1500**  
1525mm x1525mm  
cutting area (5' x 5')



**SJ3000**  
1525mm x 3050mm  
cutting area (5' x 10')

# Optional Extras

- Water Softener and Boost Pump
- Reverse Osmosis System
- Water only cutting head
- Standard tool kit

# Benefits of Water jet cutting

- No heat ingress into material
- Precise repeatable cuts
- Can cut a range of materials including metals, stone, plastics, wood and foam
- Weld ready parts

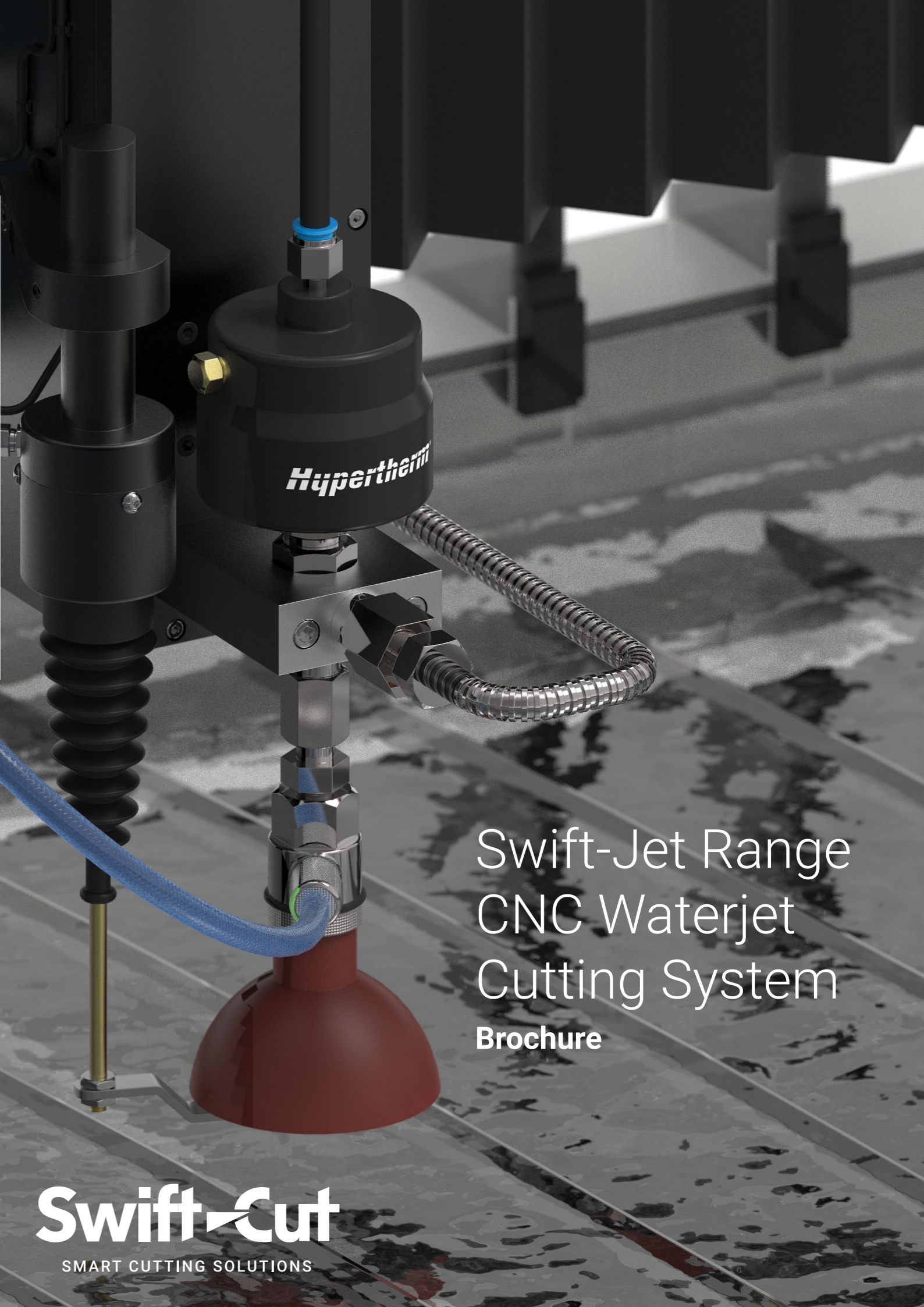
# Machine Performance

Maximum traverse speed	Maximum Z clearance	Positional accuracy	Tank Depth
15m/min (590 ipm)	220mm (8.5")	0.0150mm (0.001")	840mm (33")

# Pump Options

Source: Hypertherm

Model	Power	Pressure	Max. output flow	Max. orifice size
Echion 30	30 hp (22.4 kw)	60,000 psi (4100 bar)	2.3 l/min (0.6 gpm)	0.28mm (0.011")
Echion 50	50 hp (37.3 kw)	60,000 psi (4100 bar)	3.8 l/min (1.0 gpm)	0.35mm (0.014")



Swift-Jet Range  
CNC Waterjet  
Cutting System  
Brochure